

# SEQUENCE LISTING

<110> YU, Mang  
FANG, Fang

<120> BROAD SPECTRUM ANTI-VIRAL THERAPEUTICS AND PROPHYLAXIS

<130> NB-00101.P.1-US

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<160> 10

<170> PatentIn version 3.2

<210> 1

<211> 58

<212> PRT

<213> Bos taurus

<400> 1

Arg	Pro	Asp	Phe	Cys	Leu	Glu	Pro	Pro	Tyr	Thr	Gly	Pro	Cys	Lys	Ala
1				5					10					15	

Arg	Ile	Ile	Arg	Tyr	Phe	Tyr	Asn	Ala	Lys	Ala	Gly	Leu	Cys	Gln	Thr
			20					25					30		

Phe	Val	Tyr	Gly	Gly	Cys	Arg	Ala	Lys	Arg	Asn	Asn	Phe	Lys	Ser	Ala
		35					40					45			

Glu	Asp	Cys	Met	Arg	Thr	Cys	Gly	Gly	Ala
	50					55			

<210> 2

<211> 24

<212> PRT

<213> Homo sapiens

<400> 2

Asn	Gly	Arg	Arg	Ile	Cys	Leu	Asp	Leu	Gln	Ala	Pro	Leu	Tyr	Lys	Lys
1				5					10					15	

Ile	Ile	Lys	Lys	Leu	Leu	Glu	Ser
				20			

<210> 3  
<211> 27  
<212> PRT  
<213> Homo sapiens

<400> 3

Gly Arg Glu Leu Cys Leu Asp Pro Lys Glu Asn Trp Val Gln Arg Val  
1 5 10 15

Val Glu Lys Phe Leu Lys Arg Ala Glu Asn Ser  
20 25

<210> 4  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 4

Gln Ile His Phe Phe Phe Ala Lys Leu Asn Cys Arg Leu Tyr Arg Lys  
1 5 10 15

Ala Asn Lys Ser Ser Lys Leu Val Ser Ala Asn Arg Leu Phe Gly Asp  
20 25 30

Lys Ser

<210> 5  
<211> 34  
<212> PRT  
<213> Homo sapiens

<400> 5

Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg Lys Leu Arg Lys Arg  
1 5 10 15

Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala Val Tyr Gln  
20 25 30

Ala Gly

<210> 6  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 6

Arg Arg Leu Arg Arg Met Glu Ser Glu Ser Glu Ser  
1 5 10

<210> 7

<211> 21

<212> PRT

<213> Homo sapiens

<400> 7

Lys Arg Lys Lys Lys Gly Gly Lys Asn Gly Lys Asn Thr Thr Asn Thr  
1 5 10 15

Lys Lys Lys Asn Pro  
20

<210> 8

<211> 379

<212> PRT

<213> Homo sapiens

<400> 8

Met Ala Ser Leu Pro Val Leu Gln Lys Glu Ser Val Phe Gln Ser Gly  
1 5 10 15

Ala His Ala Tyr Arg Ile Pro Ala Leu Leu Tyr Leu Pro Gly Gln Gln  
20 25 30

Ser Leu Leu Ala Phe Ala Glu Gln Arg Ala Ser Lys Lys Asp Glu His  
35 40 45

Ala Glu Leu Ile Val Leu Arg Arg Gly Asp Tyr Asp Ala Pro Thr His  
50 55 60

Gln Val Gln Trp Gln Ala Gln Glu Val Val Ala Gln Ala Arg Leu Asp  
65 70 75 80

Gly His Arg Ser Met Asn Pro Cys Pro Leu Tyr Asp Ala Gln Thr Gly  
85 90 95

Thr Leu Phe Leu Phe Phe Ile Ala Ile Pro Gly Gln Val Thr Glu Gln  
100 105 110

Gln Gln Leu Gln Thr Arg Ala Asn Val Thr Arg Leu Cys Gln Val Thr  
115 120 125

Ser Thr Asp His Gly Arg Thr Trp Ser Ser Pro Arg Asp Leu Thr Asp  
130 135 140

Ala Ala Ile Gly Pro Ala Tyr Arg Glu Trp Ser Thr Phe Ala Val Gly  
145 150 155 160

Pro Gly His Cys Leu Gln Leu Asn Asp Arg Ala Arg Ser Leu Val Val  
165 170 175

Pro Ala Tyr Ala Tyr Arg Lys Leu His Pro Ile Gln Arg Pro Ile Pro  
180 185 190

Ser Ala Phe Cys Phe Leu Ser His Asp His Gly Arg Thr Trp Ala Arg  
195 200 205

Gly His Phe Val Ala Gln Asp Thr Leu Glu Cys Gln Val Ala Glu Val  
210 215 220

Glu Thr Gly Glu Gln Arg Val Val Thr Leu Asn Ala Arg Ser His Leu  
225 230 235 240

Arg Ala Arg Val Gln Ala Gln Ser Thr Asn Asp Gly Leu Asp Phe Gln  
245 250 255

Glu Ser Gln Leu Val Lys Lys Leu Val Glu Pro Pro Pro Gln Gly Cys  
260 265 270

Gln Gly Ser Val Ile Ser Phe Pro Ser Pro Arg Ser Gly Pro Gly Ser  
275 280 285

Pro Gln Trp Leu Leu Tyr Thr His Pro Thr His Ser Trp Gln Arg Ala  
290 295 300

Asp Leu Gly Ala Tyr Leu Asn Pro Arg Pro Pro Ala Pro Glu Ala Trp  
305 310 315 320

Ser Glu Pro Val Leu Leu Ala Lys Gly Ser Cys Ala Tyr Ser Asp Leu  
325 330 335

Gln Ser Met Gly Thr Gly Pro Asp Gly Ser Pro Leu Phe Gly Cys Leu  
 340 345 350

Tyr Glu Ala Asn Asp Tyr Glu Glu Ile Val Phe Leu Met Phe Thr Leu  
 355 360 365

Lys Gln Ala Phe Pro Ala Glu Tyr Leu Pro Gln  
 370 375

<210> 9  
 <211> 424  
 <212> PRT  
 <213> Homo sapiens

<400> 9

Leu Ala Gly Gly Ser Val Arg Trp Gly Ala Leu His Val Leu Gly Thr  
 1 5 10 15

Ala Ala Leu Ala Glu His Arg Ser Met Asn Pro Cys Pro Val His Asp  
 20 25 30

Ala Gly Thr Gly Thr Val Phe Leu Phe Phe Ile Ala Val Leu Gly His  
 35 40 45

Thr Pro Glu Ala Val Gln Ile Ala Thr Gly Arg Asn Ala Ala Arg Leu  
 50 55 60

Cys Cys Val Ala Ser Arg Asp Ala Gly Leu Ser Trp Gly Ser Ala Arg  
 65 70 75 80

Asp Leu Thr Glu Glu Ala Ile Gly Gly Ala Val Gln Asp Trp Ala Thr  
 85 90 95

Phe Ala Val Gly Pro Gly His Gly Val Gln Leu Pro Ser Gly Arg Leu  
 100 105 110

Leu Val Pro Ala Tyr Thr Tyr Arg Val Asp Arg Leu Glu Cys Phe Gly  
 115 120 125

Lys Ile Cys Arg Thr Ser Pro His Ser Phe Ala Phe Tyr Ser Asp Asp  
 130 135 140

His Gly Arg Thr Trp Arg Cys Gly Gly Leu Val Pro Asn Leu Arg Ser  
 145 150 155 160

Gly Glu Cys Gln Leu Ala Ala Val Asp Gly Gly Gln Ala Gly Ser Phe  
165 170 175

Leu Tyr Cys Asn Ala Arg Ser Pro Leu Gly Ser Arg Val Gln Ala Leu  
180 185 190

Ser Thr Asp Glu Gly Thr Ser Phe Leu Pro Ala Glu Arg Val Ala Ser  
195 200 205

Leu Pro Glu Thr Ala Trp Gly Cys Gln Gly Ser Ile Val Gly Phe Pro  
210 215 220

Ala Pro Ala Pro Asn Arg Pro Arg Asp Asp Ser Trp Ser Val Gly Pro  
225 230 235 240

Arg Ser Pro Leu Gln Pro Pro Leu Leu Gly Pro Gly Val His Glu Pro  
245 250 255

Pro Glu Glu Ala Ala Val Asp Pro Arg Gly Gly Gln Val Pro Gly Gly  
260 265 270

Pro Phe Ser Arg Leu Gln Pro Arg Gly Asp Gly Pro Arg Gln Pro Gly  
275 280 285

Pro Arg Pro Gly Val Ser Gly Asp Val Gly Ser Trp Thr Leu Ala Leu  
290 295 300

Pro Met Pro Phe Ala Ala Pro Pro Gln Ser Pro Thr Trp Leu Leu Tyr  
305 310 315 320

Ser His Pro Val Gly Arg Arg Ala Arg Leu His Met Gly Ile Arg Leu  
325 330 335

Ser Gln Ser Pro Leu Asp Pro Arg Ser Trp Thr Glu Pro Trp Val Ile  
340 345 350

Tyr Glu Gly Pro Ser Gly Tyr Ser Asp Leu Ala Ser Ile Gly Pro Ala  
355 360 365

Pro Glu Gly Gly Leu Val Phe Ala Cys Leu Tyr Glu Ser Gly Ala Arg  
370 375 380

Thr Ser Tyr Asp Glu Ile Ser Phe Cys Thr Phe Ser Leu Arg Glu Val  
385 390 395 400

Leu Glu Asn Val Pro Ala Ser Pro Lys Pro Pro Asn Leu Gly Asp Lys  
405 410 415

Pro Arg Gly Cys Cys Trp Pro Ser  
420

<210> 10  
<211> 5  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic Construct

<400> 10

Gly Gly Gly Gly Ser  
1 5